

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	17	cascaded near power near supply	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/08 13:33
L3	42	(US-20020183723-\$ or US-20060200041-\$ or US-20040235611-\$ or US-20040220519-\$ or US-20040243162-\$ or US-20040236312-\$ or US-20030114869-\$ or US-20020007190-\$).did. or (US-5938672-\$ or US-6974465-\$ or US-6511493-\$ or US-6669710-\$ or US-5531685-\$ or US-5334168-\$ or US-5114402-\$ or US-6565588-\$ or US-5090956-\$ or US-5055101-\$ or US-4944727-\$ or US-6080170-\$ or US-5957941-\$ or US-5389072-\$ or US-4857045-\$ or US-6569147-\$ or US-5827313-\$ or US-5358509-\$ or US-4447236-\$ or US-6599265-\$ or US-6695771-\$ or US-6398755-\$ or US-6017322-\$ or US-5921956-\$ or US-5820591-\$ or US-5797842-\$). did. or (US-5370609-\$ or US-5370651-\$ or US-5087265-\$ or US-5419774-\$ or US-6818001-\$ or US-4842579-\$ or US-5318576-\$ or US-3374425-\$).did.	US-PGPUB; USPAT	AND	ON	2006/09/08 14:06
L4	21	L3 and torque	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/08 14:41
L5	3	L3 and kink	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/08 15:12
L6	12	multi-lobed same vacuum same pump	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/08 15:13
L7	3666	aspiration same pump	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/08 15:13
L8	320	aspiration same pump same plurality	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/08 15:13
L9	37	aspiration same pump same plurality same series	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/08 15:16

## EAST Search History

L10	2	aspiration same plurality with vacuum with pump with series	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/08 15:17
L11	7	aspiration same plurality with vacuum with pump	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/08 15:18
L12	2	aspiration same (plurality near vacuum near pump)	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/08 15:19
L13	26	aspiration same (plurality same vacuum near pump)	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/08 15:19
L14	13	aspiration same series same vacuum near pump	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/08 15:21
L15	7	aspiration same series with vacuum near pump	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/08 15:22
L16	6	aspiration same multiple with vacuum near pump	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/08 15:23
L17	519	multiple with vacuum near pump	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/08 15:23
L18	33	multiple near vacuum near pump	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/08 15:24
L19	30384	pump with series	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/08 15:25
L20	74	pump with series same aspiration	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/08 15:25
L21	74	(pump with series) same aspiration	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/08 15:32
L22	3	vacuum near pumps near connected with series same aspiration	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/08 15:33
L23	2922	(multiple or plurality) with (aspiration or vacuum) near pump	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/08 15:36
L24	4	multiple with aspiration near pump	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/08 15:34

## EAST Search History

L25	0	I23 and atherectomy	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/08 15:35
L26	32	I23 and catheter	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/08 15:35
L27	11874	(multiple or plurality) same (aspiration or vacuum) near pump	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/08 15:37
L28	128	L27 and catheter	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/08 15:36
L29	229	(multiple or plurality) near (aspiration or vacuum) near pump	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/08 15:37
L30	5	L29 and catheter	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/08 15:39
L31	5	lobed near vacuum near pump	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/08 15:39
L32	8	L3 and ball near bearing	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/08 16:24
L33	8	L3 and telescope	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/08 16:29
L34	24	L3 and coil	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/08 16:31
L35	2	L3 and coil same kink	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/08 16:30
L36	229	catheter same coil same kink	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/08 16:33
L37	32	catheter same coil same kink and atherectomy	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/08 16:34
S2	70	(604/95.05).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/06 15:34

## EAST Search History

S3	146	(US-20040220519-\$ or US-20040243162-\$ or US-20060161110-\$ or US-20040236312-\$ or US-20010044598-\$ or US-20020087119-\$ or US-20020107479-\$ or US-20050021075-\$ or US-20050131453-\$ or US-20020032457-\$ or US-20020133217-\$ or US-20020161393-\$ or US-20030032941-\$ or US-20030100919-\$ or US-20040133232-\$ or US-20050228439-\$ or US-20060129183-\$ or US-20040172008-\$ or US-20040158143-\$ or US-20040235611-\$ or US-20050256398-\$ or US-20020077597-\$ or US-20020120226-\$ or US-20020151922-\$ or US-20030023263-\$ or US-20040181150-\$).did. or (US-20040254528-\$ or US-20050004594-\$ or US-20050245962-\$ or US-20060025806-\$ or US-20060100658-\$ or US-20020137014-\$).did. or (US-5380273-\$ or US-5498236-\$ or US-5713848-\$ or US-5558635-\$ or US-6272370-\$ or US-6295990-\$ or US-6435189-\$ or US-6436087-\$ or US-5030201-\$ or US-5596990-\$ or US-5724977-\$ or US-5879305-\$ or US-5269793-\$ or US-5782764-\$ or US-5893869-\$ or US-6824550-\$ or US-6206868-\$ or US-6423032-\$ or US-6540712-\$ or US-6682505-\$ or US-6905490-\$ or US-5944687-\$ or US-6022309-\$ or US-4940459-\$ or US-5250033-\$ or US-5256146-\$). did. or (US-5478326-\$ or US-5662603-\$ or US-5772674-\$ or US-5908435-\$ or US-6129739-\$ or US-6159230-\$ or US-6179861-\$ or US-6203561-\$ or US-6544279-\$ or US-6569180-\$ or US-6616679-\$ or US-6685722-\$ or US-5342298-\$ or US-6214026-\$ or US-6336934-\$ or US-6506203-\$ or US-6929652-\$ or US-7018393-\$ or US-5592090-\$ or US-6031888-\$ or US-6171240-\$ or US-5827313-\$ or US-5186177-\$ or US-5222966-\$ or US-5470415-\$ or US-5637754-\$ or US-5642706-\$)	US-PGPUB; USPAT	AND	ON	2006/09/07 08:56
9/8/2006 4:50:21 PM C:\Documents and Settings\psmithb\My Documents\EAST\Workspaces\10798621_090606.wsp						Page 4

## EAST Search History

S4	7	(("6258111") or ("6080170") or ("5957941") or ("5938670") or ("4857045") or ("4445509") or ("3743443")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/07 11:03
S5	1046	(606/159).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/07 11:03
S6	1430	(606/167).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/07 15:22
S7	634	(604/93.01).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/07 11:30
S8	239	(604/95.01).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/07 13:21
S9	85	(604/156).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/07 11:33
S10	70	(604/95.05).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/07 11:36
S11	26	S10 and (rotate or torque or torsion)	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/07 11:38
S12	23	S9 and (rotate or torque or torsion)	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/07 11:39
S13	144	S8 and (rotate or torque or torsion)	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/07 12:03
S14	239	(604/95.01).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/07 13:21
S15	196	S14 and control	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/07 13:22
S16	0	S14 and control near pod	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/07 13:22
S17	4	S14 and control same rotational same speed	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/07 13:28
S18	634	(604/93.01).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/07 13:28

## EAST Search History

S19	1	S18 and control same rotational same speed	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/07 13:29
S20	1046	(606/159).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/07 13:29
S21	69	S20 and control same rotational same speed	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/07 14:56
S22	524	interventional near catheter	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/07 15:19
S23	10	interventional near catheter and control same rotational same speed	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/07 14:58
S24	21	("4616648"   "4679557"   "4708125"   "4771774"   "4870970"   "5107844"   "5211176"   "5358485"   "5361768"   "5366464"   "5485846"   "5571114"   "5759153"   "5827313"   "5919161"   "5957941"   "5971991"   "6096004"   "6171234").PN. OR ("6398755").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/07 14:59
S25	28	(US-20040243162-\$ or US-20040236312-\$ or US-20040235611-\$ or US-20040220519-\$ or US-20030114869-\$ or US-20020183723-\$).did. or (US-6080170-\$ or US-4857045-\$ or US-5957941-\$ or US-6569147-\$ or US-5827313-\$ or US-4447236-\$ or US-4944727-\$ or US-5055101-\$ or US-5114402-\$ or US-5090956-\$ or US-5334168-\$ or US-5389072-\$ or US-5531685-\$ or US-5820591-\$ or US-5797842-\$ or US-6017322-\$ or US-6599265-\$ or US-6695771-\$ or US-5921956-\$ or US-6398755-\$ or US-5358509-\$ or US-6974465-\$).did.	US-PGPUB; USPAT	AND	ON	2006/09/07 15:02
S26	2	S25 and variable same motor	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/07 15:04
S27	16	S25 and motor	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/07 15:04

## EAST Search History

S28	13	S25 and motor same control	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/07 15:04
S29	3	S25 and motor same control same torque	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/07 15:05
S30	4	interventional near catheter and mechanism same advancing same rotating	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/07 15:20
S31	19	interventional near catheter and mechanism same advanc\$4 same rotat\$4	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/07 15:20
S32	1430	(606/167).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/07 15:22
S33	79	S32 and control same rotational	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/07 15:24
S34	28	S32 and control same rotational and pump	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/07 15:41

## EAST Search History

S35	157	("1889425"   "1902418"   "2937444"   "3128079"   "3210848"   "3578872"   "3590813"   "3731384"   "3731385"   "3818913"   "3835858"   "3906954"   "3930505"   "3976077"   "3994208"   "4009645"   "4024866"   "4061146"   "4111490"   "4116452"   "4196909"   "4214507"   "4229139"   "4235595"   "4245624"   "4267862"   "4270440"   "4281590"   "4282867"   "4294251"   "4368734"   "4435902"   "4517977"   "4560373"   "4583531"   "4589412"   "4601235"   "4631052"   "4637551"   "4690140"   "4690672"   "4694828"   "4715848"   "4729763"   "4730550"   "4735129"   "4735604"   "4735620"   "4747821"   "4749376"   "4790813"   "4798339"   "4813343"   "4815462"   "4827615"   "4827679"   "4842578"   "4898574"   "4898579"   "4913698"   "4935006"   "4937985"   "4940399"   "4986807"   "5002546"   "5018760"   "5037431"   "5042984"   "5052624"   "5057098"   "5074862"   "5097849"   "5114399"   "5125582"   "5135482"   "5135484"   "5162016"   "5195958"   "5205779"   "5217465"   "5230704"   "5242449"   "5250065"   "5259842"   "5300022"   "5314375"   "5318518"   "5320599"   "5322504"   "5339799"   "5350390"   "5364395"   "5370609"   "5374401"   "5395315"   "5409376"   "5423752"   "5441482"   "5449369"   "5453088"   "5454827"   "5468028"   "5476450"   "5496267"   "5505729"   "5511464"   "5512044"   "5524821"   "5527330"   "5527331"   "5533879"   "5536242"   "5551448"   "5556406"   "5562186"   "5562640"   "5562692"   "5591184"   "5607391"   "5620414"   "5626072"   "5643299"   "5674226"   "5697281"   "5709697").PN. OR ("5711151"   "5713849"   "5713851"   "5735815"   "5779713"   "5785675"   "5788667"   "5803733"   "5810809"   "5849023"   "5853384"   "5865442"   "5871462"   "5899915"   "5904681"	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/07 15:28
9/8/2006 4:50:21 PM C:\Documents and Settings\psmith6\My Documents\EAST\Workspaces\10798621_090606.wsp		"5927976"   "5941162"   "5941876"   "5941893"   "5944686"   "5960700"   "6085631"   "6099514"				Page 8

## EAST Search History

S36	316	catheter same control same rotat\$4 same motor	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/07 15:50
S37	26	catheter same control same rotat\$4 same motor same variable near speed	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/07 15:51
S38	69	("4445509"   "4589412"   "4631052"   "4679558"   "4686982"   "4696667"   "4700705"   "4747821"   "4749376"   "4762129"   "4790813"   "4842579"   "4857045"   "4883458"   "4898575"   "4957482"   "5002553"   "5009659"   "5030201"   "5042984"   "5047040"   "5074841"   "5087265"   "5097849"   "5114399"   "5195956"   "5224945"   "5267955"   "5273526"   "5282484"   "5284486"   "5314407"   "5358472"   "5366463"   "5368603"   "5370609"   "5370651"   "5402790"   "5409454"   "5423742"   "5429136"   "5496267").PN. OR ("5938672").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/07 16:01
S39	12	S38 and motor and pump	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/07 16:01
S40	37	(US-20040243162-\$ or US-20040236312-\$ or US-20040235611-\$ or US-20040220519-\$ or US-20030114869-\$ or US-20020183723-\$ or US-20060200041-\$).did. or (US-6080170-\$ or US-4857045-\$ or US-5957941-\$ or US-6569147-\$ or US-5827313-\$ or US-4447236-\$ or US-4944727-\$ or US-5055101-\$ or US-5114402-\$ or US-5090956-\$ or US-5334168-\$ or US-5389072-\$ or US-5531685-\$ or US-5820591-\$ or US-5797842-\$ or US-6017322-\$ or US-6599265-\$ or US-6695771-\$ or US-5921956-\$ or US-6398755-\$ or US-5358509-\$ or US-6974465-\$ or US-6511493-\$ or US-6669710-\$ or US-5938672-\$ or US-6818001-\$). did. or (US-5370651-\$ or US-5370609-\$ or US-4842579-\$ or US-5087265-\$).did.	US-PGPUB; USPAT	AND	ON	2006/09/07 16:11

## EAST Search History

S41	15	S40 and motor and pump and control	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/07 16:12
S42	68	("20020010487"   "3854916"   "4445509"   "4631052"   "4679557"   "4700705"   "4747821"   "4886061"   "4895560"   "4926858"   "4966604"   "4990134"   "5002553"   "5030201"   "5042984"   "5097849"   "5100425"   "5152773"   "5154724"   "5158564"   "5176693"   "5192291"   "5217474"   "5224945"   "5234451"   "5282813"   "5308354"   "5314407"   "5395311"   "5417703"   "5419774"   "5423754"   "5490859"   "5540707"   "5556408"   "5584843"   "5609602"   "5667490"   "5681336"   "5695507"   "5766190"   "5766192"   "5792157"   "5836868"   "5840031"   "5843103"   "5849023"   "5879361"   "5897567"   "5916227"   "5938670"   "5938672"   "5957941"   "5976165"   "6015420"   "6080170"   "6096054"   "6146395"   "6156048"   "6183487"   "6217549"   "6416526"   "6451037"   "6503261"   "6565588"   "RE35787"   "RE36764").PN. OR ("6818001").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/07 16:21
S43	11	S42 and motor and pump and control	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/07 16:21

## EAST Search History

S44	136	("3614953"   "3844272"   "3937222"   "3945375"   "4020847"   "4030503"   "4493694"   "4516398"   "4589412"   "4620547"   "4631052"   "4646738"   "4664112"   "4669469"   "4676249"   "4678459"   "4679558"   "4681106"   "4696667"   "4700705"   "4728319"   "4729763"   "4732154"   "4747821"   "4749376"   "4771774"   "4784636"   "4819634"   "4819635"   "4846192"   "4857045"   "4857046"   "4886061"   "4913698"   "4917085"   "4926858"   "4957482"   "4979939"   "4979951"   "4994067"   "4998919"   "5007896"   "5011488"   "5030201"   "5042984"   "5052404"   "5059178"   "5071425"   "5074841"   "5085662"   "5087265"   "5092839"   "5092873"   "5100424"   "5100425"   "5106364"   "5114399"   "5181920"   "5250059"   "5344395"   "Re33258").PN. OR ("5419774"). URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/07 16:32
S45	14	S44 and motor and pump and control	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/07 16:34
S46	1	("20020007190").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/07 16:34
S47	22	("20030187369"   "20030208119"   "4616648"   "4679557"   "4708125"   "4771774"   "4870970"   "5107844"   "5211176"   "5358485"   "5361768"   "5366464"   "5485846"   "5571114"   "5759153"   "5827313"   "5919161"   "5957941"   "5971991"   "6096004"   "6171234"   "6398755").PN. OR ("6974465").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/08 08:19

## EAST Search History

S48	50	("4593699"   "4708125"   "4771774"   "4794931"   "4802487"   "4841977"   "4917097"   "5000185"   "5048529"   "5105819"   "5107844"   "5125410"   "5178148"   "5203338"   "5211176"   "5259732"   "5318576"   "5321501"   "5366464"   "5373849"   "5431645"   "5485846"   "5497776"   "5545140"   "5551432"   "5571114").PN. OR ("5957941").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/08 08:25
S49	105	("4895778"   "5030201"   "5100425"   "5152773"   "5154724"   "5176693"   "5178625"   "5192291").PN. OR ("5318576").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/08 08:34
S50	41	(US-20020183723-\$ or US-20060200041-\$ or US-20040235611-\$ or US-20040220519-\$ or US-20040243162-\$ or US-20040236312-\$ or US-20030114869-\$ or US-20020007190-\$).did. or (US-5938672-\$ or US-6974465-\$ or US-6511493-\$ or US-6669710-\$ or US-5531685-\$ or US-5334168-\$ or US-5114402-\$ or US-6565588-\$ or US-5090956-\$ or US-5055101-\$ or US-4944727-\$ or US-6080170-\$ or US-5957941-\$ or US-5389072-\$ or US-4857045-\$ or US-6569147-\$ or US-5827313-\$ or US-5358509-\$ or US-4447236-\$ or US-6599265-\$ or US-6695771-\$ or US-6398755-\$ or US-6017322-\$ or US-5921956-\$ or US-5820591-\$ or US-5797842-\$).did. or (US-5370609-\$ or US-5370651-\$ or US-5087265-\$ or US-5419774-\$ or US-6818001-\$ or US-4842579-\$ or US-5318576-\$).did.	US-PGPUB; USPAT	AND	ON	2006/09/08 11:03
S51	13	S50 and load	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/08 11:08
S52	29	S50 and current	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/08 11:17
S53	2	cascaded near variable near regulator near voltage near source	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/08 13:33

## EAST Search History

S54	1	("7038434").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/08 11:19
-----	---	-----------------	------------------------------	----	-----	------------------